

Claims

1. A fuel cell inlet fuel apparatus for a fuel cell stack, comprising:
  - a fuel supply pipe;
  - a fuel inlet manifold; and
- 5 an inlet fuel distributor comprising a plurality of fuel conduits of substantially equal length and substantially equal flow cross section, each extending from said fuel supply pipe to said fuel inlet manifold, said plurality of fuel conduits selected from (a) channels formed in a thin plate and (b) tubes.
2. Apparatus according to claim 1 wherein said conduits are channels and further comprising:
  - a surface; and wherein
  - 5 said channels each have at least one exit for flowing said fuel against said surface.
3. Apparatus according to claim 2 wherein:
  - 5 said channels each have one of said exits.
4. Apparatus according to claim 2 wherein:
  - 5 said channels each have two of said exits.
5. Apparatus according to claim 1 wherein:
  - 5 said conduits are an even number of channels.
6. Apparatus according to claim 1 wherein:
  - 5 said conduits are an even number of channels, each of said channels being a mirror image of another of said channels.

7. Apparatus according to claim 1 wherein:  
said conduits are tubes.

8. Apparatus according to claim 1 wherein:  
said conduits each have one exit.